ROW Permit Packet For Franchisees



PROCESS

• Apply for ROW permit:

- A ROW permit is required for all work within the City ROW with the following exceptions:
 - Aerial maintenance work that takes less than 1 hour to complete
 - Work done that is within the Limits of Construction for a CIP City project
 - Work done on a TxDot Road that is not maintained by the City (A traffic control plan must still be submitted)
 - City maintained roads that Hays County owns are:
 - Rattler Road from McCarty to Old Bastrop
 - Old Bastrop from Hwy 123 to Redwood
- Download ROW permit packet from City website
 - http://sanmarcostx.gov/DocumentCenter/View/5034/Right-of-Way-Permit-Application
- Fill out ROW permit
- Submit for a new ROW permit on MyPermitNow or in the Permit Center
 - https://www.mypermitnow.org
 - Use the permit packet as your plan review files (include Traffic Control Plan if required, please see that process below) Engineered plans may be required for some new installation.
 - All Franchisee ROW Permits fees are waived. That being said if you apply online you will
 be required to pay a \$10 technology fee upfront but this will be refunded to you before
 the issuance of the permit.
- The plan review process will typically take 2 business days
 - Permit will be approved and issued to the applicant by email
 OR-
 - Comments will be emailed. After all comments have been addressed you will need to resubmit a full plan set for re-review



For Construction Related Street Closures:

- The attached Temporary Street Closure Application must be filled out and is also on the City website at: http://sanmarcostx.gov/DocumentCenter/View/5037/Street-Closure-Application
- One or more lanes of traffic will be closed for less than 12 hours:
 - A simple hand drawn traffic control plan will be accepted. All traffic control devices such as signage, barriers, flaggers, etc must be clearly marked and shown on the plan.
 - A complete road closure and detour are allowed with this option
- One or more lanes of traffic will be closed for more than 12 hours:
 - A traffic control plan sealed by a Professional Engineer will be required
 - A complete road closure and detour are allowed with this option
 - This closure will require Public Services review and requires an additional **7 business** days for approval.

• After issuance of ROW Permit:

- Set up on site meeting with ROW inspector (call in inspection called "ROW Consultation")
 - Michael Cardwell (Phone number 512-618-5378 for questions)
 - All erosion controls and tree protection fencing will be determined on site and must be installed prior to commencement of work. Details are provided below in this packet.
- Conduct scope of work in permit
 - If lane closure was approved all traffic controls must be set up prior to commencement of work
 - Call in ROW Inspections as needed. Please include in the notes that this is a ROW inspection so
 it gets assigned to Michael Cardwell. All ROW inspections must be called in by 3PM the previous
 business day.
 - All work must be repaired to City details or as the inspector instructs
- At completion
 - Final stabilization The status when all soil disturbing activities at a site have been completed and a perennial vegetative cover with a density of 70 percent, evenly distributed, has been established on areas not covered by hardscape or permanent structures. Where vegetative controls are not feasible due to drought conditions, the operator shall immediately install non-vegetative erosion controls within 14 calendar days of a temporary or permanent cessation of work in any portion of the site.
 - Non vegetative controls (ie. erosion control blankets, Flexterra FGM) would only be allowed during drought conditions. These would be controls that would be put in place of the veg, not silt fence or other temporary erosion controls.
 - As- Builts must be submitted, if different from the approved plans, for all underground work, to MyPermitNow on your ROW permit.



City of San Marcos 630 E. Hopkins San Marcos TX

San Marcos, TX 78666

RIGHT-OF-WAY PERMIT APPLICATION

A. APPLICANT INFOR	RMATION	Da	te:
pplicant Name:		Titl	e:
ompany Name:			
ddress:	City	<i>r</i> : S	tate: Zip:
hone Number: ()		Est	imated Start Date:
pplicant Email:		Esi	timated Completion Date:
SCOPE OF WORK D	ESCRIPTION: Include ty if applicable	pe of installation/repair desc	ription as well as street nam
SCOPE OF WORK	DRAWING: Show approx	imate location and orientati	on of cut(s) if applicable.
ow street name, block numb	er and cross street(s) if applica	able.	
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mber of Street cut(s): dth of Cut(s):			
ngth of Cut(s):			
tal Square Footage of Cut(s			
niget Value:	~/· ———		

PERMIT APPLICATION FEE: 5% of project value (\$50 min/\$2000 max) (Franchisee's fees are waived)

City of San Marcos

Franchisee ROW Request for Temporary Street Closure

(Request must be submitted with all appropriate supporting evidence as described below. Please see attached TxDot details)

One or more	lanes of	traffic w	ill he	closed for	less than	12 hours
One or more	ialies oi	LI allic W	III DE	cioseu ioi	iess tilali	TE HOULS

- □ A simple hand drawn traffic control plan will be accepted. All traffic control devices such as signage, barriers, flaggers, etc must be clearly marked and shown on the plan.
- ☐ A complete road closure and detour are allowed with this option

One or more lanes of traffic will be closed for more than 12 hours:

- □ A traffic control plan sealed by a Professional Engineer will be required
- ☐ A complete road closure and detour are allowed with this option
- ☐ This closure will require Public Services review and requires an additional 6 business days for approval.

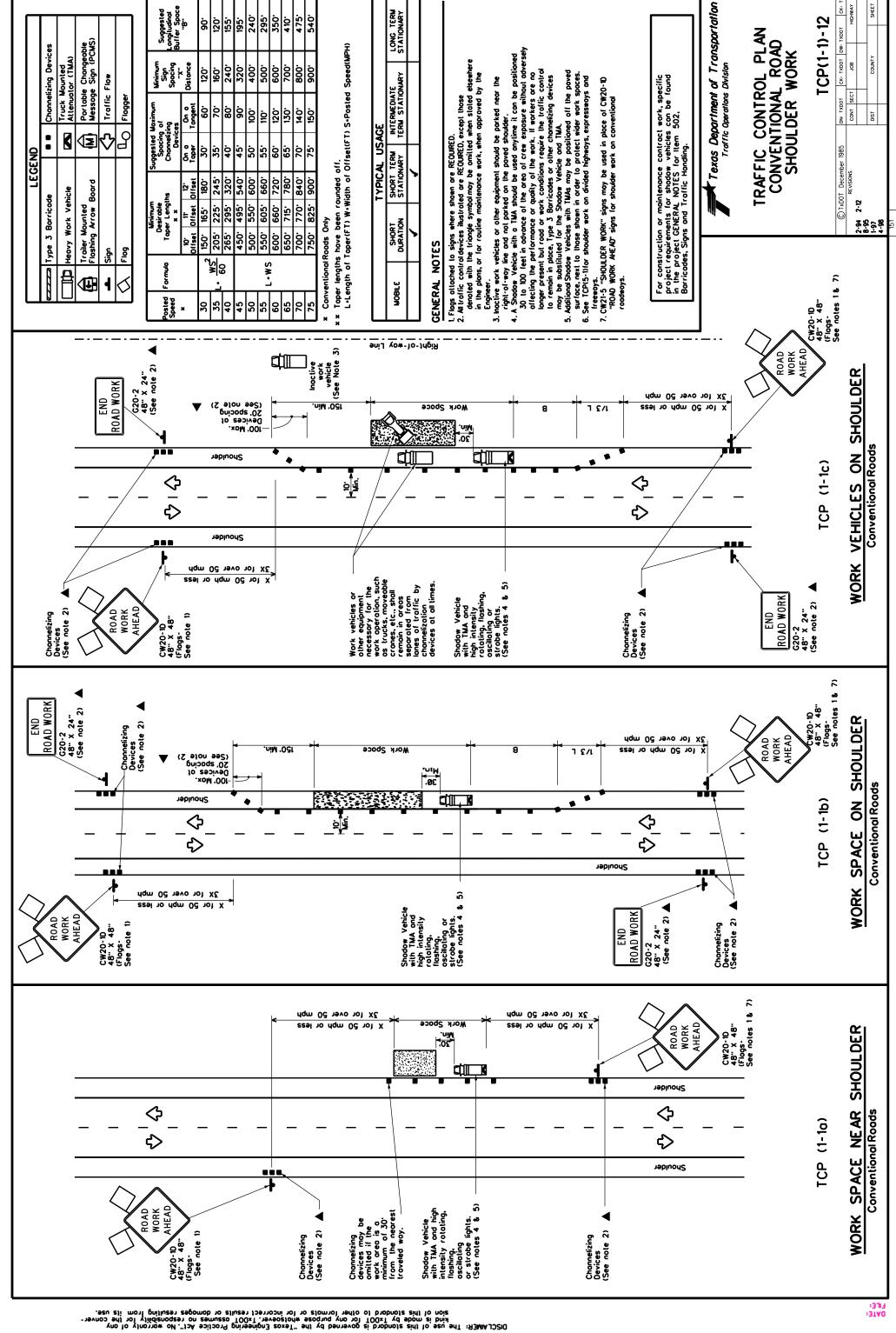
Applicant Information Applicant Name: _____ Address: Telephone #: Email Address: If this request is granted by the City, the Applicant agrees to comply with requirements for the provision of trash receptacles, barricades, traffic control and security officers, portable toilets, or other supplies as applicable. The Applicant also agree to hold harmless, indemnify and defend the City, its officers and employees from and against all claims for personal injury or property damage that arise in connection with the street closure requested. The Applicant verifies that he/she has authority to execute this document on behalf of the project. If your request is denied you may appeal the decision to the City Manager. Please sign below stating that you have read and agree to all terms and conditions listed above. Signature: Date:_____

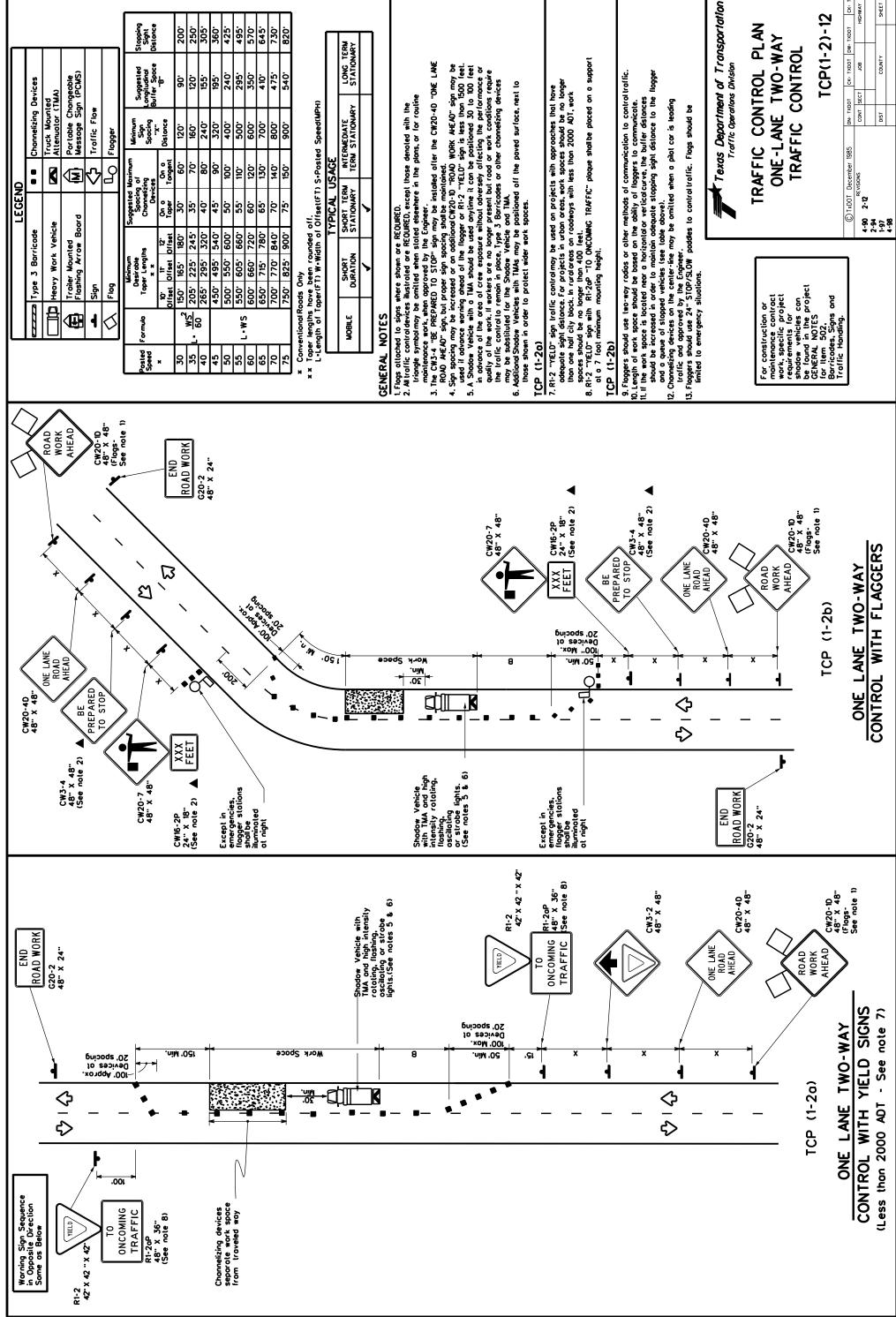
Street Closure Information Street Name: Specific Address or Block #: ____ Number of Lanes to be closed: □ All lanes in both directions ☐ All lanes in one direction ☐ One lane, Specify direction: □ Other: Amount of time for closure: From Date: ______Time: _____ To Date: _____Time: ____ Will the street be passable for regular traffic? ☐ Yes ☐ No ☐ Specific Hours Only: Will the street be passable for emergency vehicles? ☐ Yes ☐ No ☐ Specific Hours Only: Reason for closure:

		FOR CITY USE ONLY		
The applicant is required to p	ovide the follo	wing:		
□ Barricades/Traffic con	trol Devices	□ Portable Toilets	□ Trash Receptacles	□ Security Officers
□ Other				
		REVIEW		
□ Approved				
□ Denied		Authorizing Signature		Date

TXDOT DETAILS

For Traffic Control Plan





DISCLAMMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxD01 for any purpose whatsoever. TxD01 assumes no responsibility for the conversion of this standard to other formats or for incorrect results or domages resulting from its use.

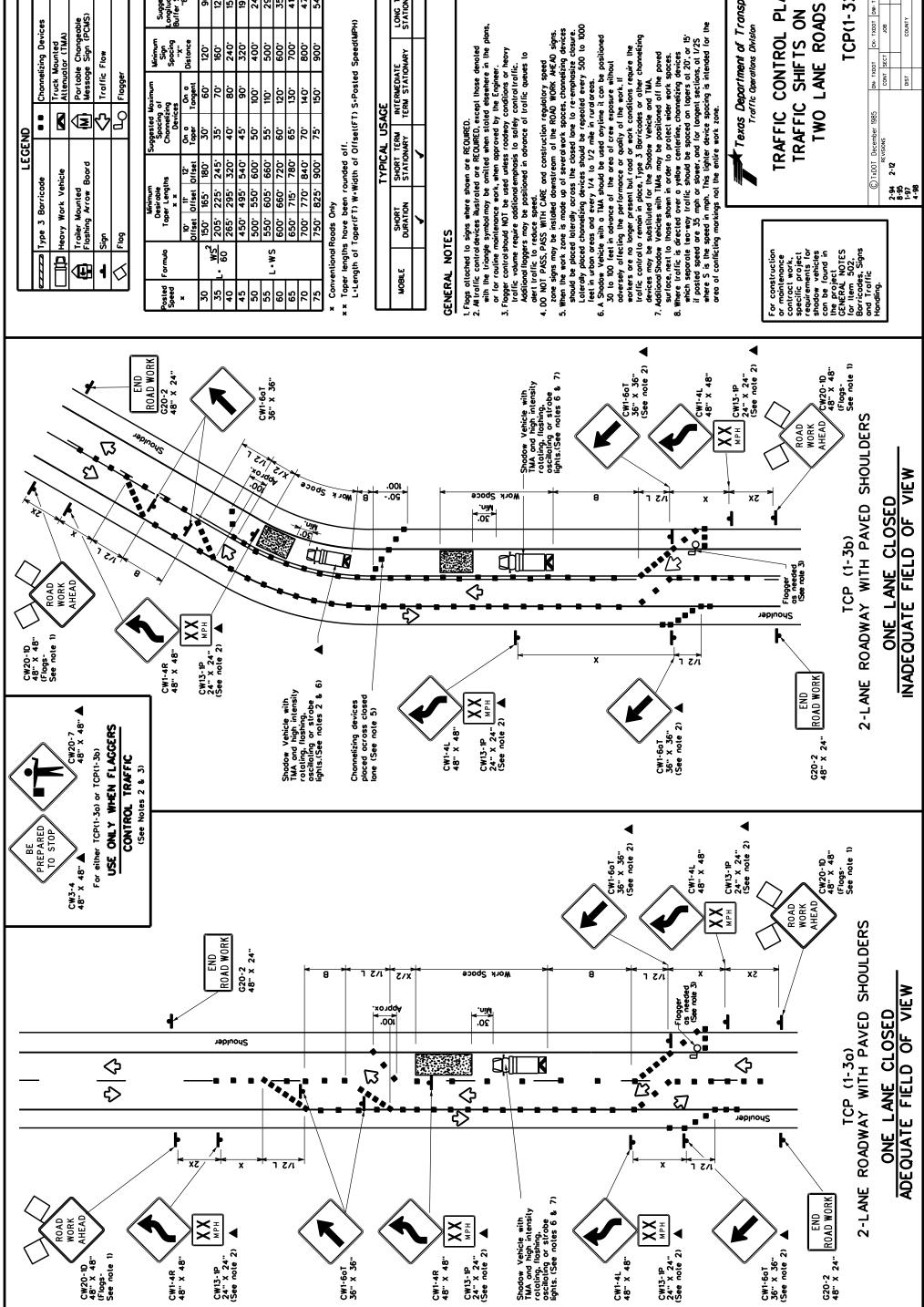
Stopping Sight Distance

250° 305° 360° 425° 570°

CK: TXDOT HIGHWAY

CK: TXDOT | DW: TXDOT | HIC

152



Portable Changeable Message Sign (PCMS) Channelizing Devices Traffic Flow Flogger <u>م</u> • Ç **₹** EGEND. Trailer Mounted Floshing Arrow Board Heavy Work Vehicle

Suggested Longitudinal Buffer Spoce	. e	.06	120	155	195	240.	295	320.	4 10.	475	540.
Minimum Sign Spocing		120.	.091	.047	320.	400.	.009	.009	.002	.008	.006
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Suggested Moximum Spocing of Chonnelizing Devices	On o Toper	.0£	.92	.04	45.	.09	.99	.09	.59	.02	.52
ıs	12. Offset	180.	245	320.	540.	.009	.099	720.	780	840.	.006
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Posted Speed	M	30	35	40	45	20	22	09	65	70	75

 $\star\,\star\,$ Toper lengths have been rounded off. L-Length of Taper(FT) W-Width of Offset(FT) S-Posted Speed(MPH)

DISCLAMMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxD01 for any purpose whatsoever. TxD01 assumes no responsibility for the conversion of this standard to other formats or for incorrect results or domages resulting from its use.

MOBILE SHORT SHORT TERM INTERNEDIATE LONG TERM STATIONARY STATIONARY STATIONARY	- - - - - - - - - - -	
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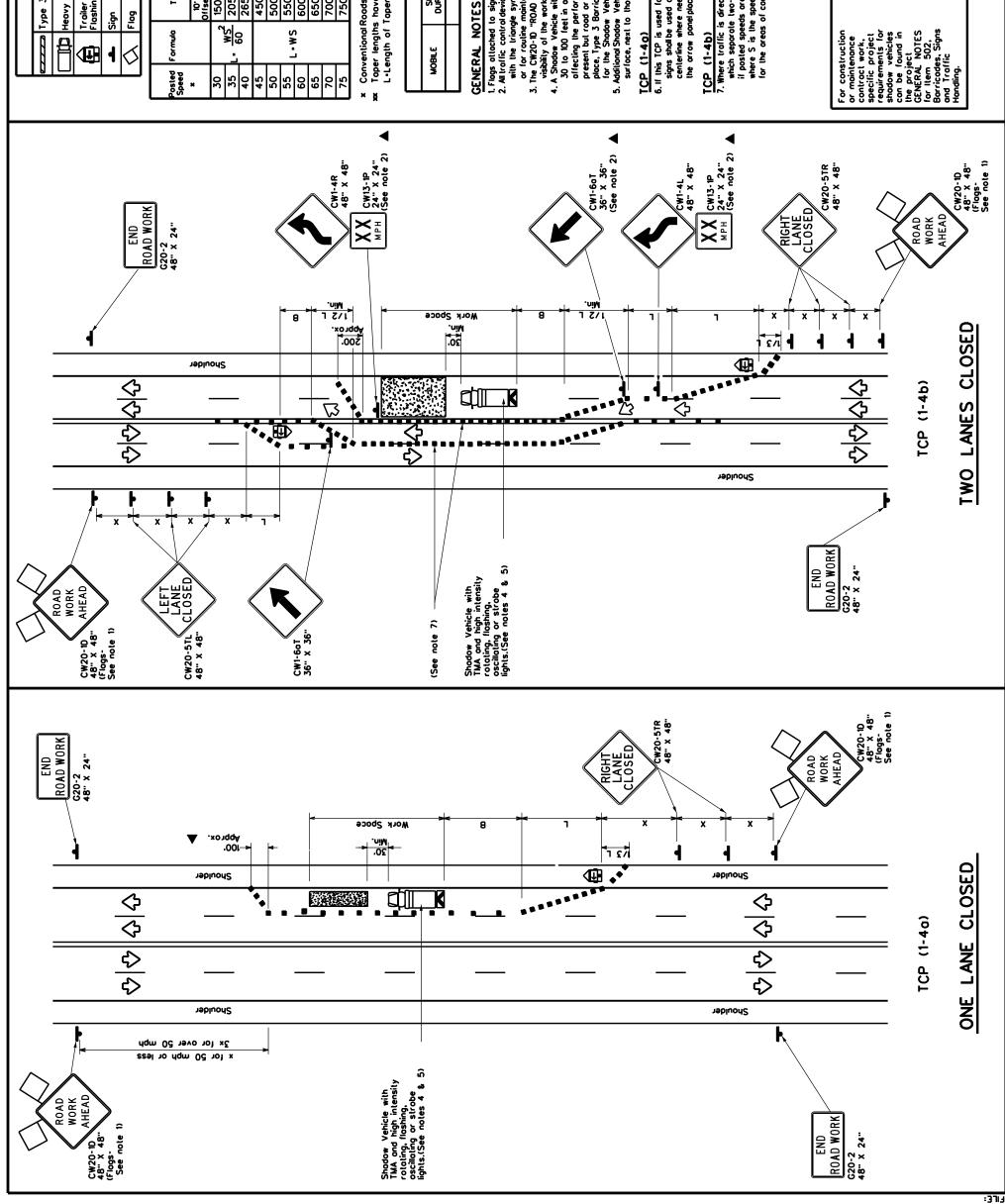
Texas Department of Transportation Traffic Operations Division

TRAFFIC CONTROL PLAN TWO LANE ROADS TRAFFIC SHIFTS ON

© TxDOT December 1985	DN: TXDOT		ск: тхрот рм: тхрот	DW: TXD		Š
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1-97	DIST		COUNTY		s	SHE
4-98						

TCP(1-3)-12

:3TAQ



	LEGEND	Q	
	Type 3 Barricade	•	■ ■ Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
₩	Trailer Mounted Floshing Arrow Board	M	Portable Changeable Message Sign (PCMS)
4	Sign	Ş	Troffic Flow
Ø	Flog	<u>П</u> О	LO Flogger

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Posted Speed	Formula	O T O	Minimum Desiroble Toper Lengths * *	hs	Suggested Moximum Spocing of Channelizing Devices	Moximum 1 of ring ces	Minimum Sign Spocing	Suggested Longitudinal Buffer Space
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30	2	150.	165	180.	30.	.09	120.	.06
35		202.	225.	245	32.	.02	160	120.
40	8	565.	292.	320.	40.	.08	240.	155'
45		450.	495.	540.	45.	.06	320.	195
20		.009	220.	.009	.09	100.	400.	240.
22	۷ ۸ ۰	.055	.909	.099	.99	110.	.005	295
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75		.092	825.	.006	.52	150.	.006	540

DISCLAMMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxD01 for any purpose whatsoever. TxD01 assumes no responsibility for the conversion of this standard to other formats or for incorrect results or domages resulting from its use.

Conventional Roads Only Toper lengths have been rounded off. L-Length of Taper(FT) W-Width of Offset(FT) S-Posted Speed(MPH)

		TYPICAL USAGE	SAGE	
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
	À	>		

- 1. Flags attached to signs where shown are REQUIRED.
 2. All traffic control devices illustrated one REQUIRED, except those denoted with the triangle symbol may be amilted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
 3. The CW20-1D "ROAD WORK AHEAD" sign may be repeated if the visibility of the work zone is less than 1500 feet.
 4. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place. Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicles with TMAs may be positioned off the poved surface, next to those shown in order to protect wider work spaces.

6. If this TCP is used for a lett lane closure , CW20-5TL "LEFT LANE CLOSED" signs shallbe used and channelizing devices shallbe placed on the centerline where needed to protect the work space from opposing traffic with the arrow panelplaced in the closed lane near the end of the merging taper.

TCP (1-4b)

7. Where traffic is directed over a yellow centerline, channelizing devices which separate two-way traffic should be spaced on tapers at 20 or 15 if posted speeds are 35 mph or slower, and for langent sections, at 1/25 where S is the speed in mph. This lighter device spacing is intended for the areas of conflicting markings, not the entire work zone.

Texas Department of Transportation Traffic Operations Division

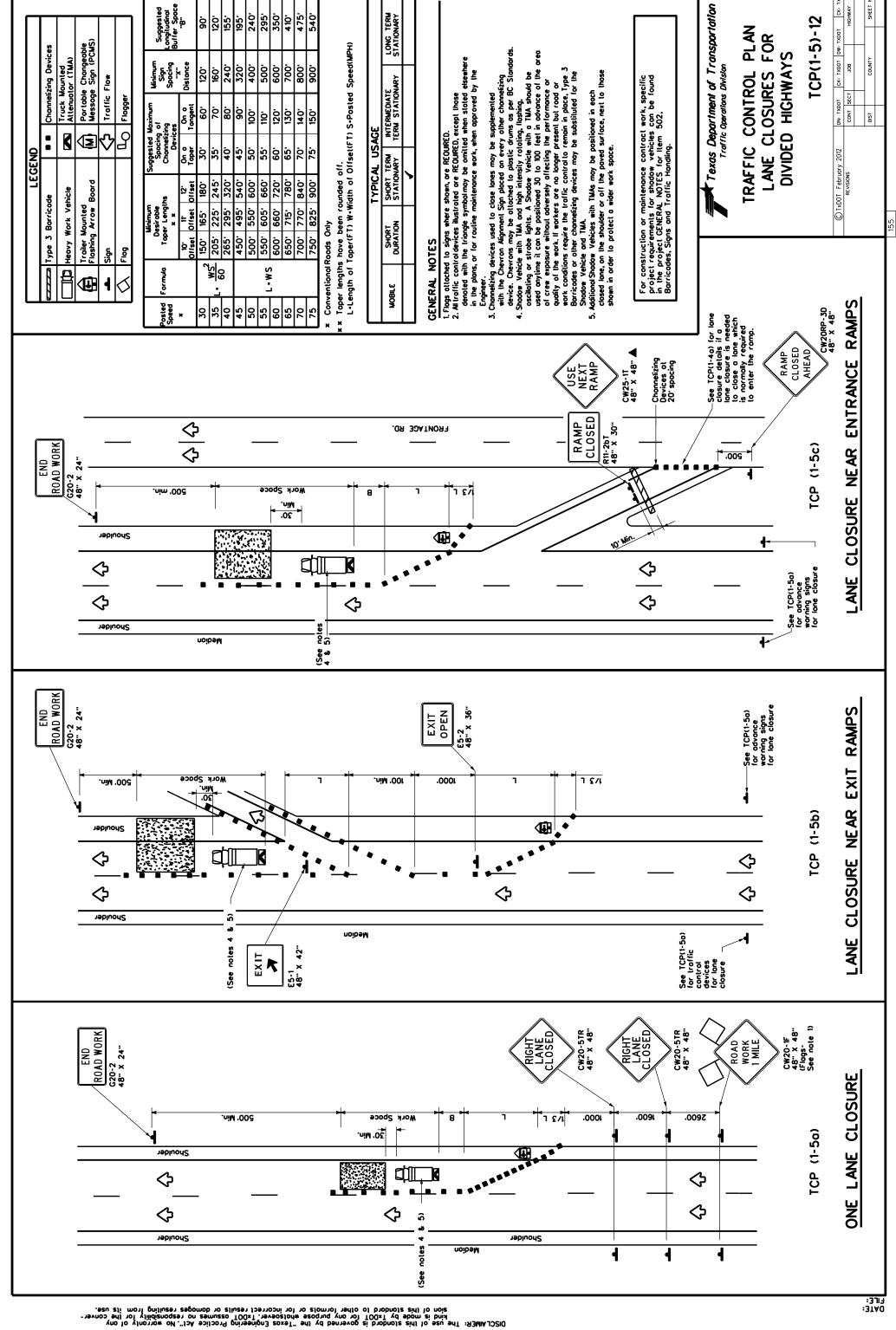
LANE CLOSURES ON MULTILANE TRAFFIC CONTROL PLAN CONVENTIONAL ROADS

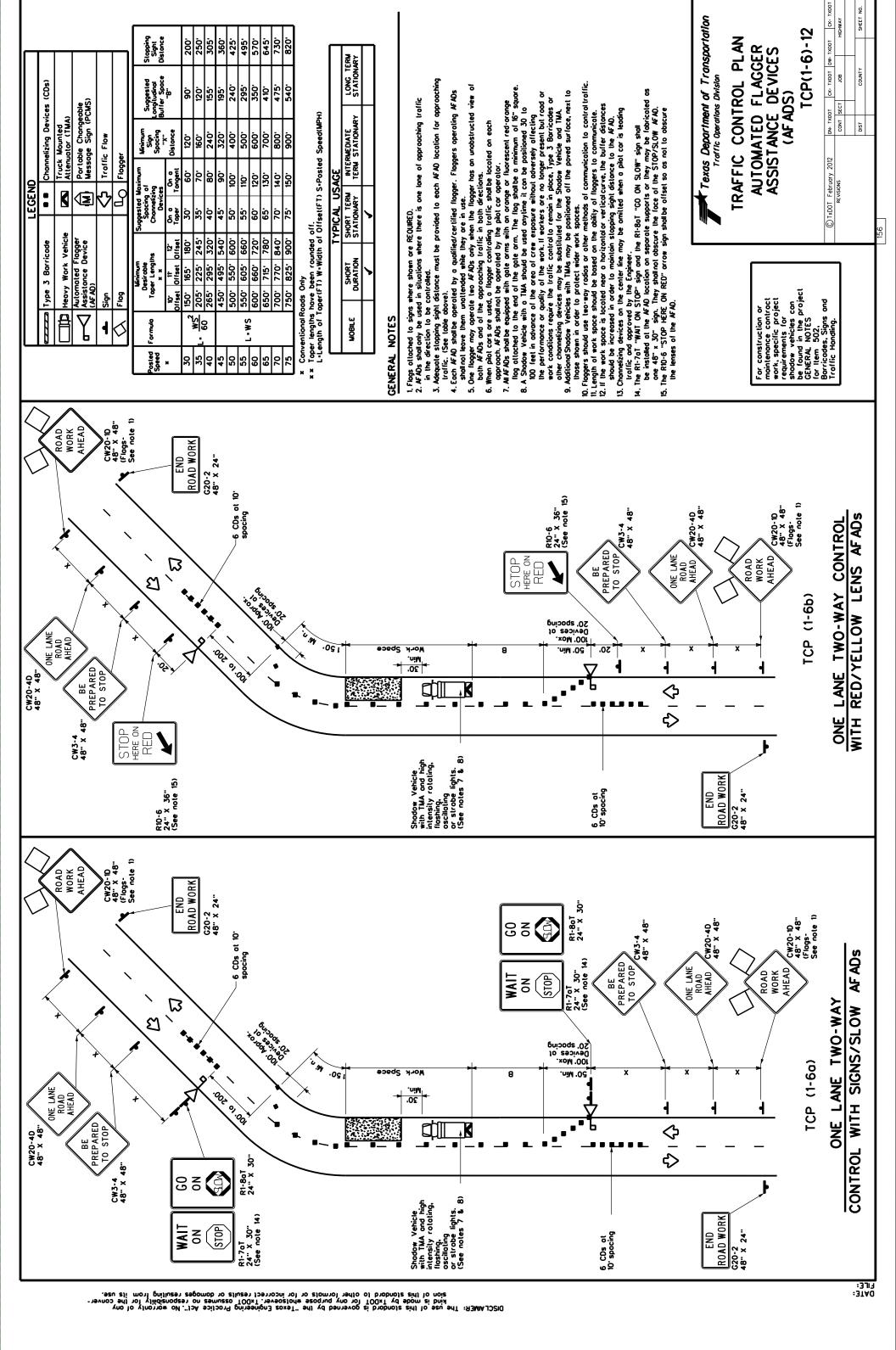
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TXDOT

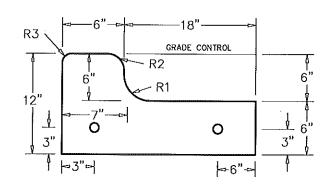
TCP(1-4)-12

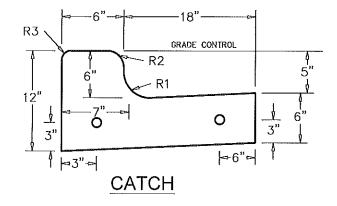
3TAQ FILE:





Details for Work Done in ROW

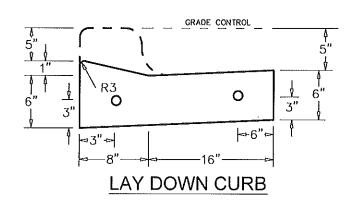




LABEL	RADIUS

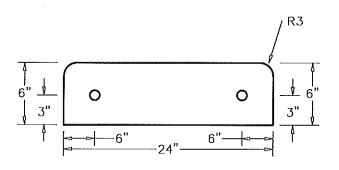
SPILL

R1	3 1/2"
R2	2 1/2"
R3	1/4"



NOTES:

- CONSTRUCTION CONTROL JOINTS AT 10' - 0" SPACING ALONG LENGTH OF CURB.
- 2. REINFORCING STEEL SHALL BE #3 BARS.
- NO REBAR WILL BE ALLOWED IN CURB HEAD
- 4. CONCRETE WILL BE 3000 PSI VIBRATED IN PLACE
- CONSTRUCT EXPANSION JOINTS AT A MAXIMUM OF 40'-0" ALONG THE LENGTH OF CURB. SEE DETAIL 430-3-SM



RIBBON CURB

REFERENCES DETAIL 430-3-SM

LAURIE MOYER, P.E.

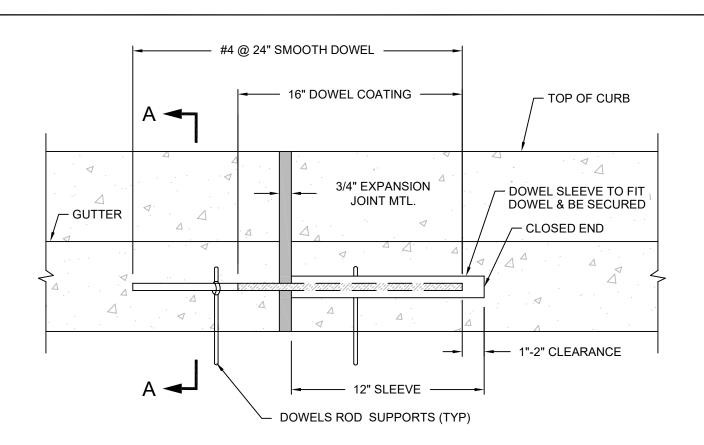
The City of San Marcos Engineering and Capital Improvements

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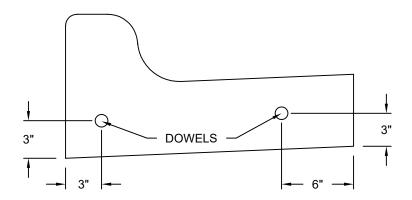
6/30/2014 ADOPTED REINFORCED CURB AND GUTTER SECTIONS

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD

430S-2-SM n.t.s. standard detail



CURB EXPANSION JOINT DOWEL DETAIL

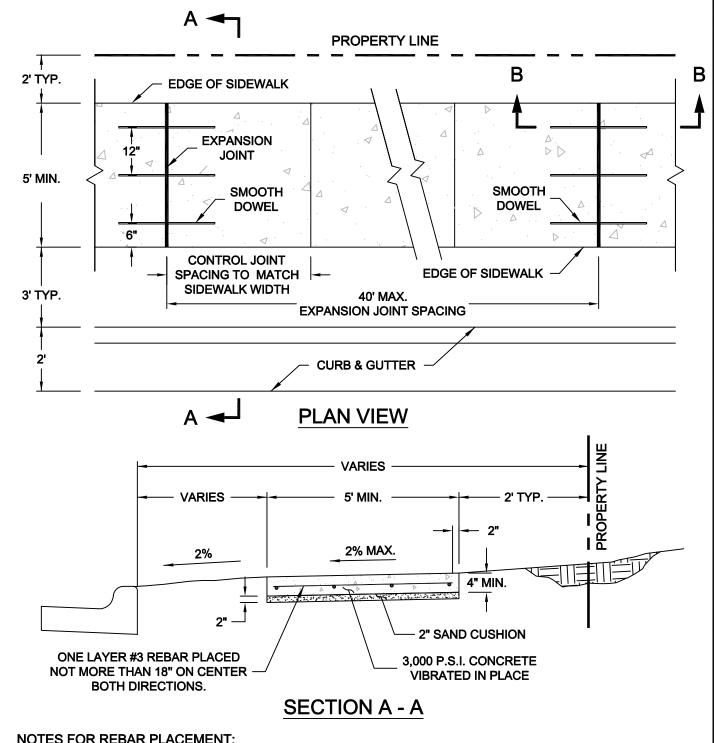


SECTION A - A

NOTES:

- 1. CONSTRUCT EXPANSION JOINTS AT A MAXIMUM OF 40'-0" ALONG THE LENGTH OF CURB, SIDEWALK AND CONCRETE PAVEMENT.
- 2. DOWELS MINIMUM SIZE IS 1/2" AND WILL BE EQUAL TO THE REBAR SIZE IF REBAR IN THE RE-ENFORCED CONCRETE IF GREATER THAN 1/2".

The City of San Marcos Engineering and Capital Improvements		CURB EXPANSION JOINT DOWEL DETAIL	
RECORD COPY SIGNED BY	6/1/2018	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE	standard no. 430S-3-SM
LAURIE MOYER, P.E.	ADOPTED	OF THIS STANDARD.	1 OF 1



NOTES FOR REBAR PLACEMENT:

- REINFORCEMENT SHALL BE ACCURATELY PLACED AT SLAB MID-DEPTH AND HELD FIRMLY IN PLACE BY MEANS OF BAR SUPPORTS OF ADEQUATE STRENGTH AND NUMBER THAT WILL PREVENT DISPLACEMENT AND KEEP THE STEEL AT ITS PROPER POSITION DURING THE PLACEMENT OF THE P.C. CONCRETE.
- IN NO INSTANCE SHALL THE STEEL BE PLACED DIRECTLY ON THE SUBGRADE, SAND CUSHION LAYER OR CLOSER THAN 2" TO THE OUT SIDE EDGE OF THE CONCRETE.

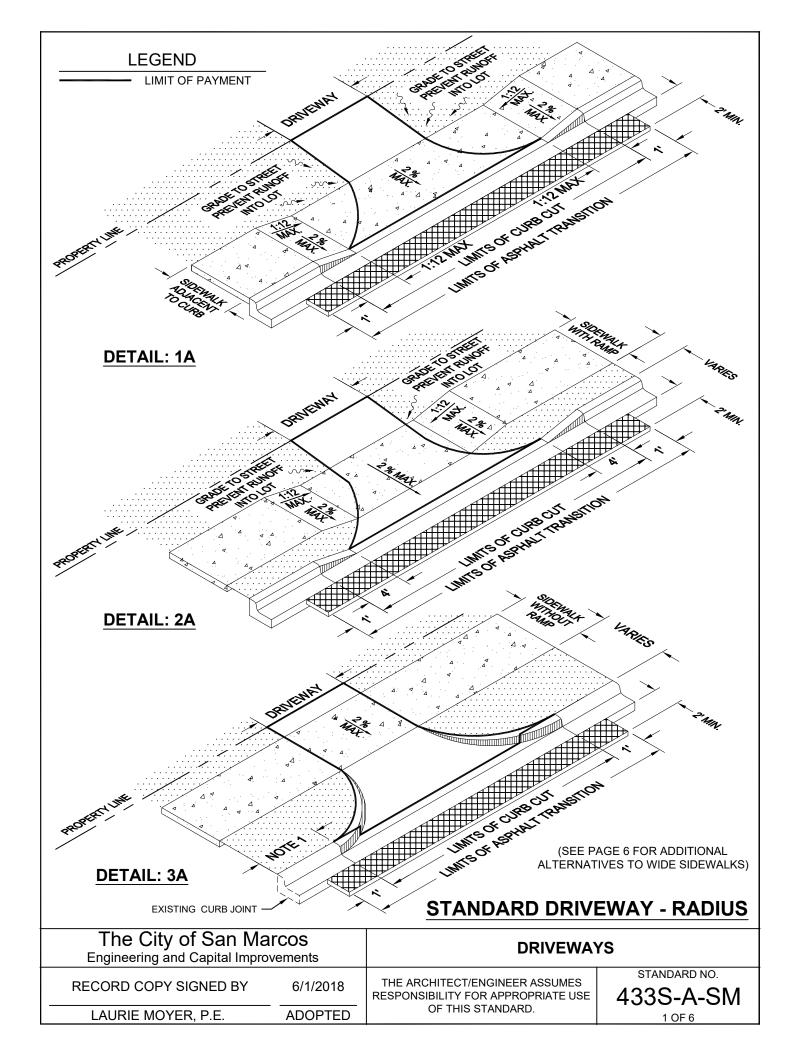
The City of San Marcos Engineering and Capital Improvements		SIDEWALK CONSTRUCTION	
RECORD COPY SIGNED BY 6/1/2018		THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE	STANDARD NO. 432S-1-SM
LAURIE MOYER, P.E.	ADOPTED	OF THIS STANDARD.	1 OF 2

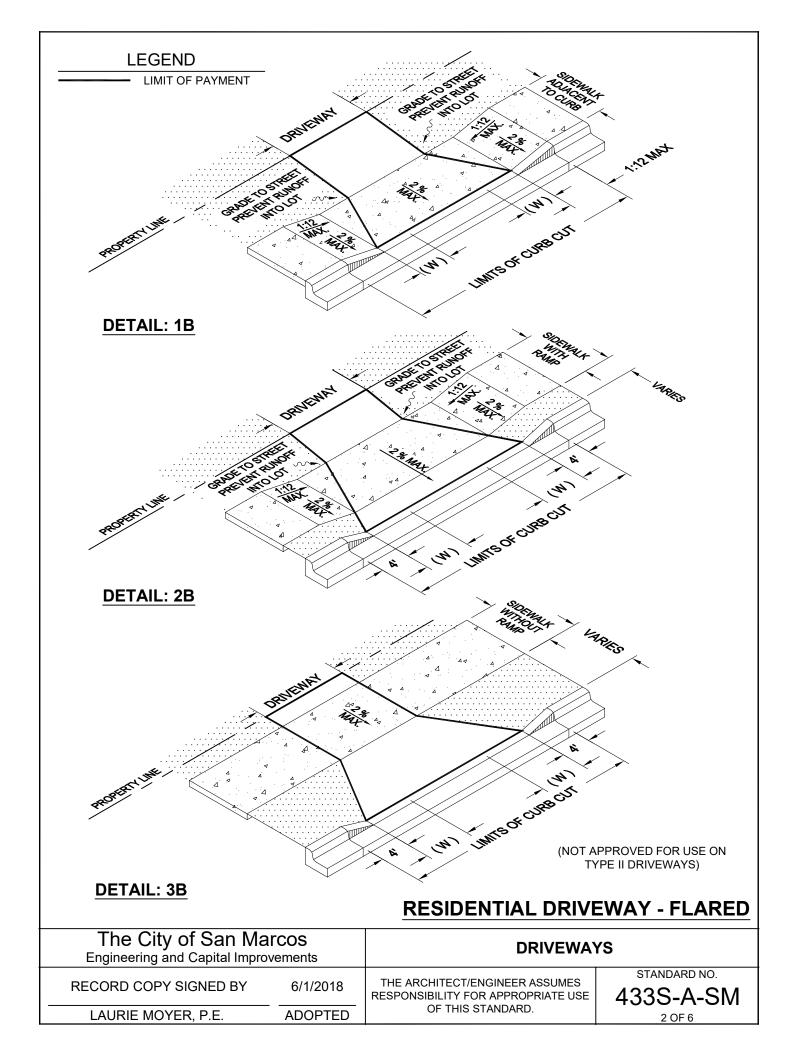
NOTES:

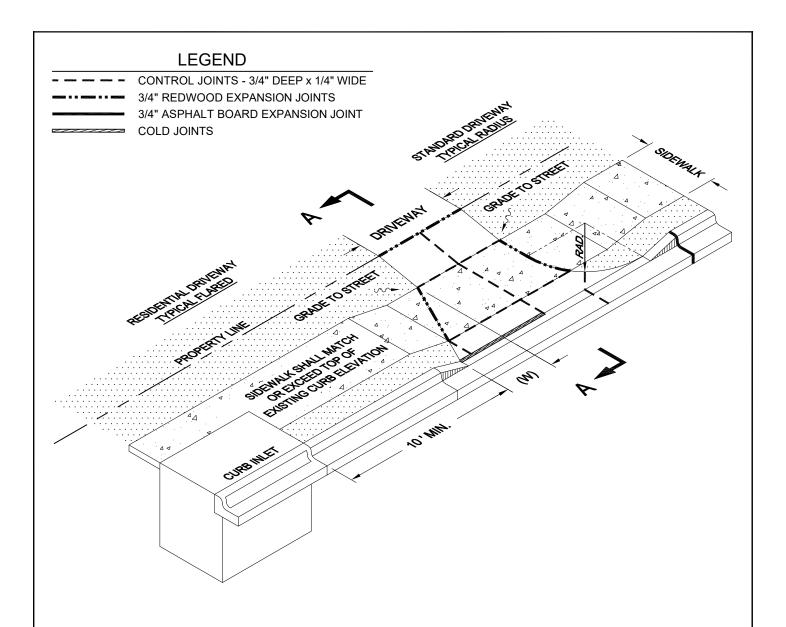
- 1. CONTROL JOINTS SHALL BE 1/4 INCH WIDE AND 3/4 INCH DEEP TOOLED OR SAW CUT INTO SIDEWALK.
- 2. CONSTRUCT 3/4" REDWOOD EXPANSION JOINTS AT MAXIMUM 40'- 0" SPACING ALONG LENGTH OF SIDEWALK. EXPANSION JOINTS SHALL INCLUDE SMOOTH DOWELS CENTERED TO THE JOINT AT 12" C-C. PER DETAIL 430S-3-SM.
- 3. IF SIDEWALK IS ADJOINED TO CURB, COLD JOINT IS REQUIRED, UNLESS APPROVED BY THE CITY INSPECTOR.
- 4. RAMPS AT INTERSECTION WILL FOLLOW CITY DETAIL 432S-3-SM.
- 5. MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY SPECIFICATIONS.

REFERENCES DETAIL 430S-3-SM DETAIL 432S-3-SM

The City of San Marcos Engineering and Capital Improvements		SIDEWALK CONSTRUCTION	
RECORD COPY SIGNED BY 6/1/2018		THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE	standard no. 432S-1-SM
LAURIE MOYER, P.E.	ADOPTED	OF THIS STANDARD.	2 OF 2



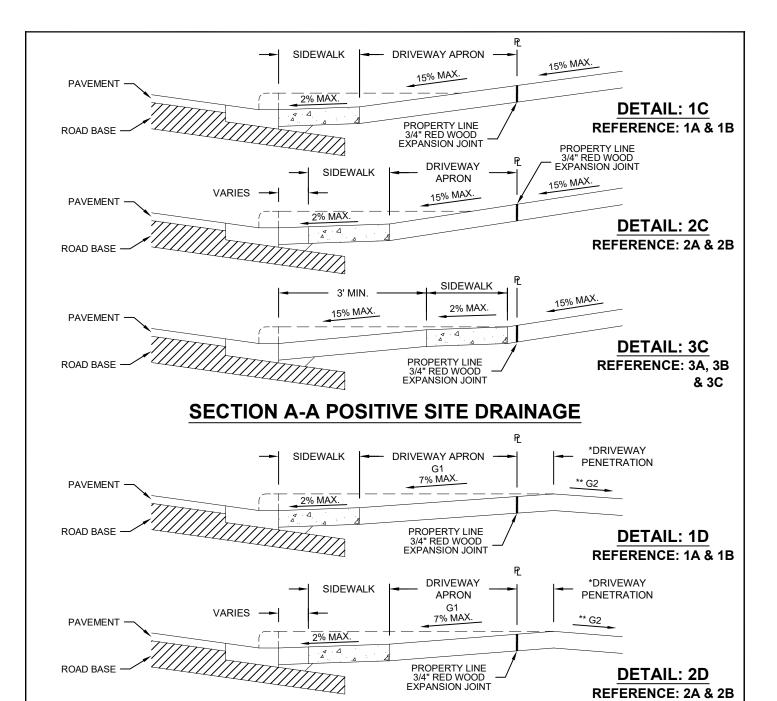


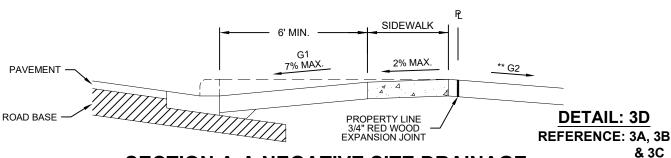


DRIVEWAY	DRIVEWAY DRIVEWAY CRITERIA WIDTH FEET		RADIUS DIM. (RAD) FEET		WING WIDTH (W) FEET		
TYPE	USE	MIN.	MAX.	MIN.	MAX	MIN.	MAX.
I	RESIDENTIAL UP TO 6 OFF-STREET PARKING SPACES	10'	18'	5'	5'	3	3
II	RESIDENTIAL 7+ OFF-STREET PARKING SPACES (ONE-WAY)	12'	16'	5'	10'	N/A	N/A
II	RESIDENTIAL 7+ OFF-STREET PARKING SPACES (TWO-WAY)	20'	24'	5'	10'	N/A	N/A
II	MIXED USE / COMMERCIAL (ONEWAY)	12'	18'	5'	10'	N/A	N/A
II	MIXED USE / COMMERCIAL (TWOWAY)	20'	32'	10'	15'	N/A	N/A
II	INDUSTRIAL / SERVICE	30'	40'	10'	30'	N/A	N/A

DRIVEWAY DIMENSION

The City of San Marcos Engineering and Capital Improvements		DRIVEWAYS	
RECORD COPY SIGNED BY	6/1/2018	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE US	standard no. 433S-A-SM
LAURIE MOYER, P.E.	ADOPTED	OF THIS STANDARD.	3 OF 6



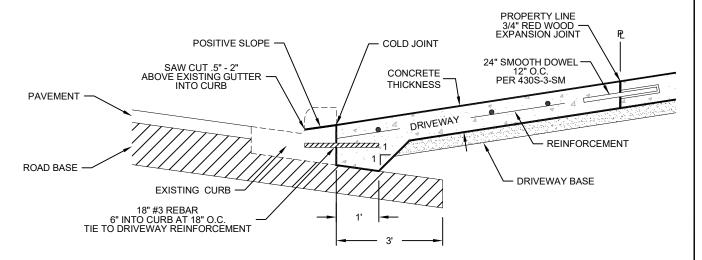


SECTION A-A NEGATIVE SITE DRAINAGE

*DRIVEWAY PENETRATION WILL EXTEND INTO THE PROPERTY UNTIL GRADING IS HIGHER THAN THAT OF THE CURB AT THE MAXIMUM G1 SLOPE. LIMITS OF PAVEMENT WILL EXTEND TO LIMITS OF DRIVEWAY PENETRATION.

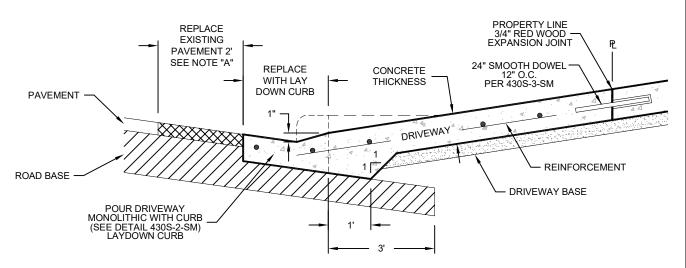
** IG1 - G2I < 15%

The City of San Marcos Engineering and Capital Improvements		DRIVEWAYS	
RECORD COPY SIGNED BY	6/1/2018	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE	standard no. 433S-A-SM
LAURIE MOYER, P.E.	ADOPTED	OF THIS STANDARD.	4 OF 6



FLARED CONNECTION

(NOT APPROVED FOR USE ON TYPE II DRIVEWAYS)



CURB RADIUS CONNECTION

DRIVEWAY	CONCRETE THICKNESS	REINFORCEMENT	DRIVEWAY BASE
TYPE I	6" CLASS A 3,000 PSI	#3 BARS PLACED ON CHAIRS AT MID DEPTH OF SLAB AT NO MORE THAN 18" O.C. BOTH DIRECTIONS	2" COMPACTED SAND
TYPE II	7" CLASS C 3,600 PSI	#4 BARS PLACED ON CHAIRS AT MID DEPTH OF SLAB AT NO MORE THAN 18" O.C. BOTH DIRECTIONS	2" COMPACTED SAND

NOTES:

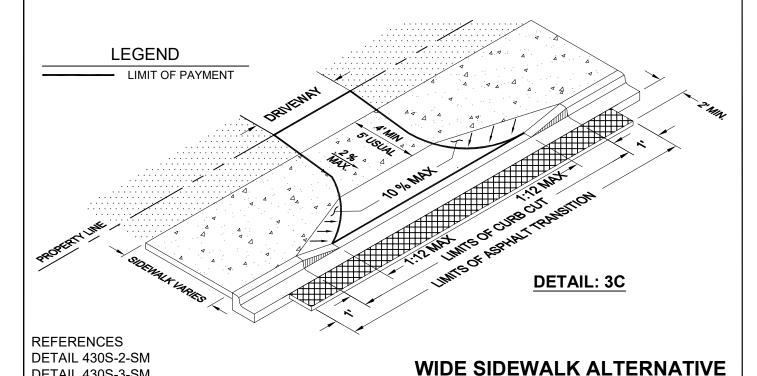
- A. NEW PAVEMENT WILL MATCH EXISTING PAVEMENT THICKNESS AND TYPE.
- B. IN NO INSTANCE SHALL THE REBAR BE PLACED DIRECTLY ON THE SUBGRADE, SAND CUSHION LAYER OR CLOSER THAN 2" TO THE OUTSIDE EDGE OF THE CONCRETE.
- C. FLARED CONNECTION SHALL ONLY BE USED IN RESIDENTIAL NEIGHBORHOODS. IT IS NOT APPROVED FOR TYPE II DRIVEWAYS.

The City of San Marcos Engineering and Capital Improvements		DRIVEWAYS	
RECORD COPY SIGNED BY	6/1/2018	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE	standard no. 433S-A-SM
LAURIE MOYER, P.E.	ADOPTED	OF THIS STANDARD.	5 OF 6

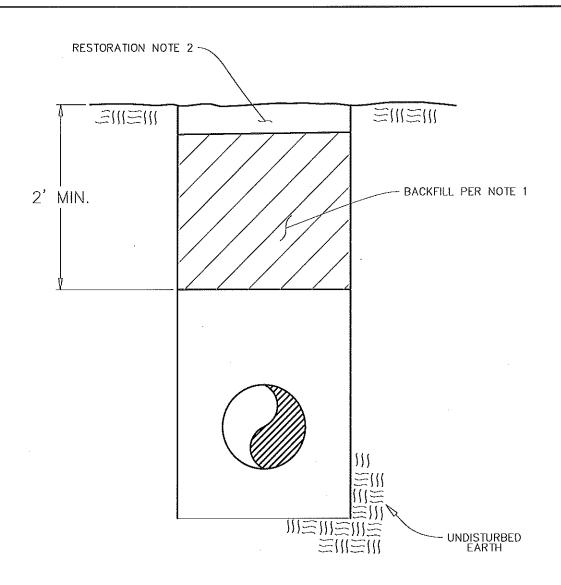
NOTES:

DETAIL 430S-3-SM

- IF DIMENSION IS LESS THAN 5', REMOVE CURB AND GUTTER TO EXISTING JOINT AND POUR MONOLITHICALLY WITH DRIVEWAY. (SEE SHEET 1)
- ALL DRIVEWAY WILL HAVE A CONTROL JOINT DOWN CENTER OF DRIVEWAY AND ON BOTH SIDES OF THE SIDEWALK PATH ACROSS THE DRIVEWAY. (SEE SHEET 3)
- WHILE THE PROPERTY OWNER REMAINS RESPONSIBLE FOR GRADE BREAKS WITHIN PRIVATE. PROPERTY, THE FIRE DEPARTMENT SHALL BE CONSULTED WHERE THE DRIVEWAY IS ESSENTIAL TO EMERGENCY VEHICLE ACCESS AND "G2 IS GREATER THAN 15%."
- DRIVEWAY WIDTHS AND RADIUS DIMENSIONS. ONE/TWO WAY TRAVEL REQUIREMENTS. AND GEOMETRIC LAY-OUT ARE HIGHLY VARIABLE, SUBJECT TO SITE SPECIFIC CONDITIONS AND REQUIREMENTS. SEE TRANSPORTATION CRITERIA MANUAL SECTION 5 "DRIVEWAYS" IF CONFLICT WITH DETAIL.
- IF THE BASE IS OVER-EXCAVATED WHERE THE CURB AND GUTTER WERE REMOVED, BACKFILL WITH CONCRETE MONOLITHICALLY WITH THE DRIVEWAY.
- DRIVEWAY SHALL NOT BE CONSTRUCTED WITHIN THE CURB RETURN OF A STREET INTERSECTION.
- WATER METER BOXES AND WASTEWATER CLEAN OUTS ARE PROHIBITED FROM BEING LOCATED IN DRIVEWAY AREAS.
- PAY ITEM: ASPHALT TRANSITION, LAYDOWN CURB AND GUTTER WILL BE PAID FOR AS SEPARATE LINE ITEM UNLESS NOTED ON PLANS. CURB AND GUTTER INSTALLED ON THE RADIUS OR ALONG THE RAMPS WILL BE SUBSIDIARY TO DRIVEWAY LINE ITEM.



The City of San Marcos **DRIVEWAYS Engineering and Capital Improvements** STANDARD NO. THE ARCHITECT/ENGINEER ASSUMES RECORD COPY SIGNED BY 6/1/2018 433S-A-SM RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. LAURIE MOYER, P.E. **ADOPTED** 6 OF 6



OUT OF PAVEMENT

NOTES:

- 1. (IN AND NEAR FLOOD PLAIN OF ALL STREAMS AND WATERCOURSES, UNDER OR ADJACENT TO UTILITIES, STRUCTURES, TWO FEET FROM PAVEMENT ETC.) BACKFILL SHALL BE COMPACTED TO A DENSITY OF NO LESS THAN 95 PERCENT CONFORMING TO TXDOT TEST METHOD TEX-114-E, UNLESS OTHERWISE DIRECTED BY E/A. ALL OTHER LOCATION WILL BE COMPACTED TO 90% OF MAX DENSITY.
- RESTORE ALL DISTURBED SURFACES TO EXISTING CONDITION AND ELEVATION. NATURAL GROUND WILL HAVE
 6" OF TOP SOIL, SEEDED AND A RETENTION BLANKET INSTALLED ON TOP. ALL OTHER SURFACE STRUCTURES
 SHALL BE REPLACE TO MATCH EXISTING CONDITIONS.

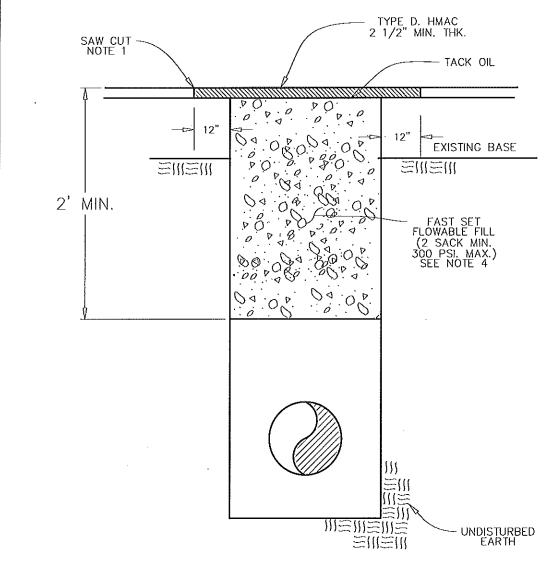
SHT 1 OF 2

The City of San Marcos
Engineering and Capital Improvements

ROW PACKET TRENCH DETAIL

THE ARCHITECT/ENGINEER ASSUMES
RESPUNSIBILITY FOR APPROPRIATE
USE OF THIS STANDARD

STANDARD DETAIL



IN PAVEMENT

NOTES:

- THE EXISTING PAVED SURFACE SHALL BE SAW CUT IN A STRAIGHT LINE AN EQUAL WIDTH UNTIL NEXT PERPENDICULAR TRENCH CUT A MINIMUM OF 12" WIDER THAN THE UNDISTURBED SIDES OF THE TRENCH, SYMMETRICAL ABOUT THE CENTER LINE OF THE EXCAVATION.
- IF EXCAVATION AREA IS OPEN FOR TEMPORARY PUBLIC USE, THE SURFACE SHALL BE MAINTAINED LEVEL WITH ADJACENT RIDING SURFACE WITH 4" COLD MIX OR 4" TEMPORARY HOT MIX ASPHALTIC CONCRETE.
- 3. ALL DAMAGED AREAS OF PAVEMENT OUTSIDE THE TRENCH CUT SHALL BE REMOVED AND REPLACED WITH FLOWABLE AND EXISTING THICKNESS OF HMAC OR 2 1/2" OF HMAC, WHICHEVER IS GREATER.
- 4. IF FLOWABLE FILL IS NOT FAST SET PLANS MUST HAVE AN APPROVED TRAFFIC CONTROL PLAN FOR THE CLOSURE OF STREET UNTIL IT IS READY FOR TRAFFIC USE.

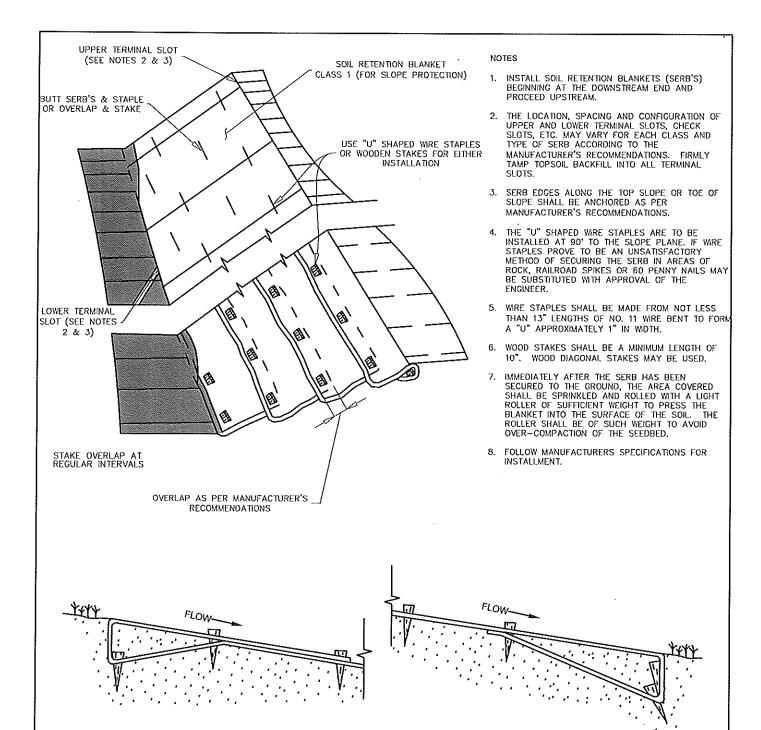
SHT 2 OF 2

The City of San Marcos
Engineering and Capital Improvements

ROW PACKET TRENCH DETAIL

THE ARCHITECT/ENGINEER ASSUMES
RESPUNSIBILITY FOR APPROPRIATE
STANDARD

N.T.S. STANDARD DETAIL



The City of San Marcos

Engineering and Capital Improvements

LAURIE MOYER, P.E.

6/30/2014 ADOPTED

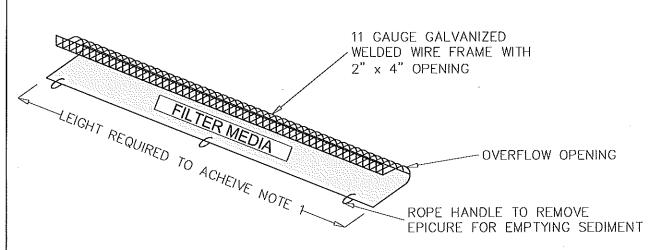
UPPER TERMINAL SLOT

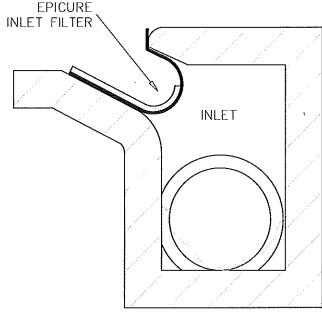
SOIL RETENTION BLANKET

LOWER TERMINAL SLOT

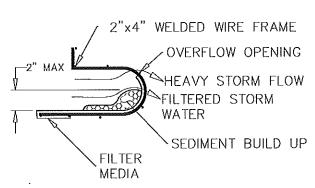
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD

605S-1-SM N.T.S. STANDARD DETAIL





CURB INLET FILTER CROSS-SECTION



NOTE:

- 1. THE EPICURE INLET FILTER SHALL BE INSERTED INTO THE CURB INLET TO CREATE A COMPRESSION FIT IN THE INLET
- 2. THE FILTER MEDIA FOR PROJECTS WITHIN CITY OF SAN MARCOS JURISDICTION IS TO BE WOVEN FILTER FABRIC.
- 3. THE FILTER MEDIA IS TO BE ATTACHED TO THE WIRE FRAME WITH HOG RINGS LEAVING AN OVERFLOW OPENING ABOVE THE FILTER MEDIA.
- 4. INSPECTION SHALL BE MADE BY THE CONTRACTOR WEEKLY AND WITHIN 24 HOURS OF A RAIN EVENT AND SILT ACCUMULATION MUST BE REMOVED WHEN THE DEPTH REACHES 2 INCHES.
- 5. INLET FILTER WILL BE REMOVED UPON STABILIZATION OF SEDIMENT SOURCES

The City of San Marcos Engineering and Capital Improvements

10 yer

6/30/2014

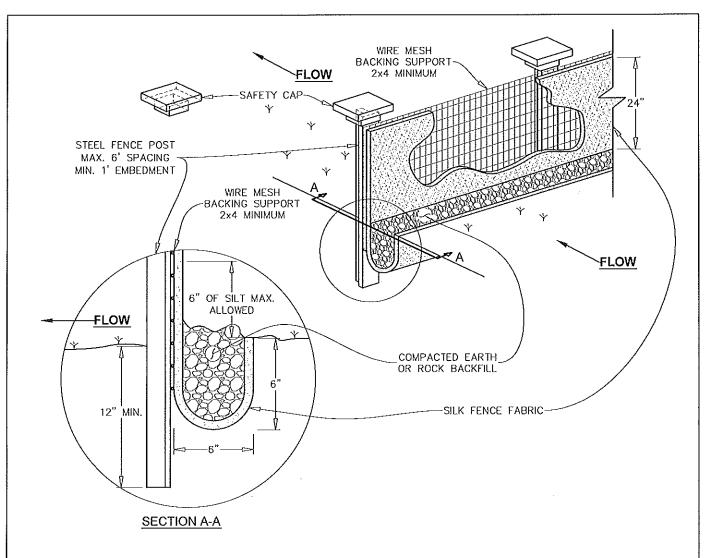
CURB INLET PROTECTION

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD

628S-1-SM N.T.S. STANDARD DETAIL

LAURIE MOYER, P.E.

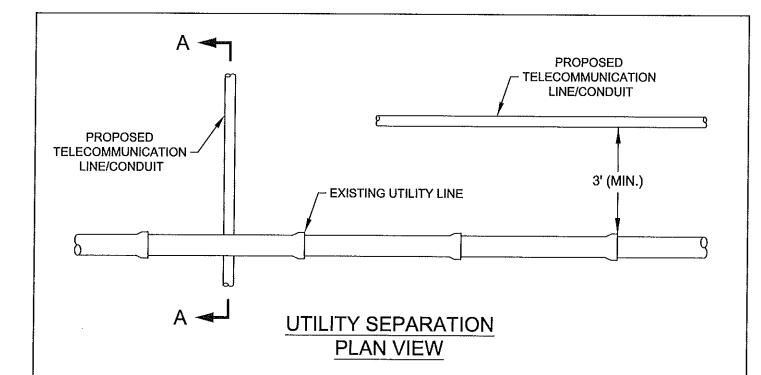
ADOPTED

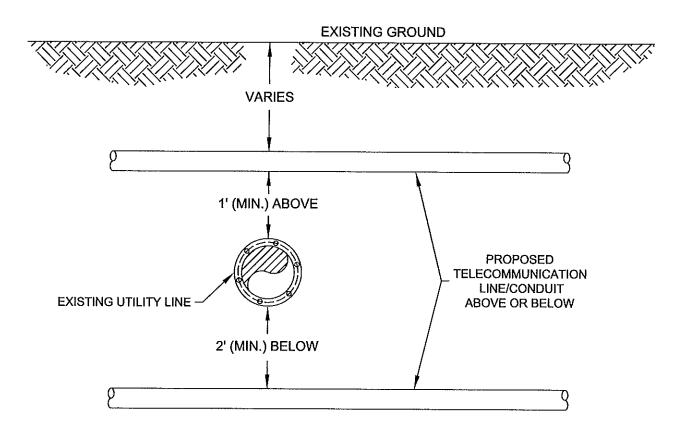


NOTES:

- 1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POSTS SHALL MATCH THE TOP OF THE FENCE. POST MUST BE EMBEDDED A MINIMUM OF 1'.
- 2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.
- 3, THE TRENCH MUST BE A MINIMUM OF 6" DEEP AND 6" WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- 4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POST.
- 5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE WITHIN 24 HOURS OF INSPECTION.
- 6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
- 7. ACCUMULATED SILT SHALL BE REMOVED WITHIN 24 HOURS WHEN IT REACHES A DEPTH OF 6" OR AS DIRECTED BY OWNER. THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

The City of San Marcos Engineering and Capital Improvements	SILT FENCE		
LAURIE MOYER, P.E. ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD N.T.S. STANDARD DETAIL		





UTILITY SEPARATION SECTION A-A

The City of San Marcos Engineering and Capital Improvements	UTILITY SEPARATION		
	THE ARCHITECT/ENGINEER ASSUMES	STANDARD NO.	
	RESPONSIBILITY FOR APPROPRIATE USE	-	
	OF THIS STANDARD.	1 OF 1	